



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).

# SCIENCE

A Weekly Journal devoted to the Advancement of Science, publishing the official notices and proceedings of the American Association for the Advancement of Science, edited by J. McKeen Cattell and published every Friday by

## THE SCIENCE PRESS

11 Liberty St., Utica, N. Y.      Garrison, N. Y.,  
New York City: Grand Central Terminal

Single Copies, 15 Cts.

Annual Subscription, \$6.00

Entered as second-class matter January 21, 1922, at the Post Office at Utica, N. Y., under the Act of March 3, 1879.

VOL. LV      MARCH 24, 1922      No. 1421

*A National Policy for Agricultural Research:*  
PRESIDENT RAYMOND A. PEARSON..... 229

*The 1921 Expedition of the California Academy of Sciences to the Gulf of California:*  
DR. G. DALLAS HANNA..... 305

*Appeal of the American Chemical Society*..... 307

### Scientific Events:

*An Institute of Hygiene in London; Co-operation between the Government and Industry in Standardization; Competitive Exhibition of Photographs of Mammals; Annual Meetings of the American Geophysical Union and its Sections; Lectures on Light and the Constitution of Matter*.... 310

*Scientific Notes and News*..... 312

*University and Educational Notes*..... 316

### Discussion and Correspondence:

*The Vote on the Evolution Bill in the Kentucky Legislature:* PROFESSOR ARTHUR N. MILLER. *Roteria:* DR. FREDERICK PALMER, JR. *The Value of Tilth in Agriculture:* L. S. FRIERSON..... 316

### Quotations:

*Proposed Legislation against the Teaching of Evolution*..... 318

### Scientific Books:

*Stefansson's The Friendly Arctic:* PROFESSOR RAYMOND PEARL..... 320

### Special Articles:

*Acoustic Topography in a Room:* PROFESSOR CARL BARUS..... 321

*Meetings of the Genetics Sections:* PROFESSOR L. J. COLE..... 326

## A NATIONAL POLICY FOR AGRICULTURAL RESEARCH<sup>1</sup>

THERE should be a well-defined national policy in reference to agricultural research because such research relates to questions of fundamental national importance and the value of such research to the whole nation has been proved; furthermore, agricultural problems affecting the national welfare are becoming more and more numerous and complex and research must be enlarged to enable us to cope with them.

The policy should be to provide ample support for the investigation of problems relating to the decrease of cost of producing farm products and their more efficient distribution and marketing, the improvement of their quality, the conservation of soil fertility and the betterment of rural life.

The policy also should be to encourage co-operation of all public agencies engaged in agricultural research, and to provide for proper supervision,—enough of each to produce the highest possible efficiency and not so much as to hamper efficiency.

Sound arguments in plenty can be given to support these statements.

### THE IMPORTANCE OF AGRICULTURE AS A FUNDAMENTAL INDUSTRY

About forty per cent. of the population of our country is engaged in agriculture. There are nearly six and one-half million (6,448,366) farms, including nearly one billion (955,676,545) acres. Each farm is an independent unit, and the character of the homes on these farms has a profound influence on the character of our nation.

The value of farm lands is estimated to be over sixty-six billion dollars (\$66,334,309,556).

<sup>1</sup> Read at the President's Conference on the Agricultural Situation, Washington, D. C., January 26, 1922.